

1 CLAIMS

Sub 47 2 1. One or more computer-readable media containing a computer
3 program for annotating streaming media, wherein the program performs steps
4 comprising:

5 creating annotations interactively with a user, wherein the annotations
6 correspond to identified segments of one or more media streams;

7 graphically ordering the annotations in a desired order of presentation in
8 response to user input; and

9 in response to a user instruction, sequentially presenting the annotations
10 along with their corresponding identified media stream segments in the desired
11 order of presentation.

12 2. One or more computer-readable media as recited in claim 1, wherein
13 the annotations comprise textual annotations.

14 3. One or more computer-readable media as recited in claim 1, wherein
15 the media streams comprise audio/visual video streams.

16 4. One or more computer-readable media as recited in claim 1, wherein:
17 the annotations are textual annotations;
18 the media streams are audio/visual video streams; and
19 the presenting step comprises displaying the textual annotations in one
20 display area while displaying the corresponding segments of the audio/visual
21 streams in another display area.

1 5. One or more computer-readable media as recited in claim 1, the steps
2 further comprising storing the annotations and their desired order of presentation.

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4 6. One or more computer-readable media as recited in claim 1, the steps
5 further comprising:
6 storing the annotations and their desired order of presentation; and
7 in response to a user request,
8 retrieving the stored annotations and their desired order of
9 presentation,
10 displaying the retrieved annotations in their desired order of
11 presentation, and
12 retrieving and presenting the media stream segments identified by
13 the retrieved annotations, in sequential order in accordance with the desired
14 order of presentation of the retrieved annotations.

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16 7. A method comprising:
17 receiving an indication of a plurality of annotations selected by a user,
18 wherein each of the plurality of annotations corresponds to a media stream or to
19 one or more media streams; and
20 seamlessly providing one or more of,
21 the plurality of annotations, and
22 at least a portion of the media stream corresponding to each of the
23 plurality of annotations.

1 8. A method as recited in claim 7, wherein the seamlessly providing
2 comprises providing the plurality of annotations and the portions of the media
3 streams corresponding to the plurality of annotations to a client computer for
4 seamless presentation to a user.

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6 9. A method as recited in claim 7, wherein each of the plurality of
7 annotations corresponds to a segment of one of the one or more media streams,
8 each segment being less than the entire stream.

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10 10. A method as recited in claim 7, wherein the seamlessly providing
11 comprises:

12 seamlessly providing the plurality of annotations concurrently with
13 seamlessly providing at least a portion of the media stream corresponding to each
14 of the plurality of annotations.

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16 11. A method as recited in claim 7, further comprising:
17 presenting a plurality of annotation identifiers to the user; and
18 wherein the seamlessly providing comprises seamlessly providing the one
19 or more of the plurality of annotations and the portion of the media stream
20 corresponding to each of the plurality of annotations in an order defined by the
21 order of the plurality of annotation identifiers.

22
23 ~~Sub A17~~ 12. A method as recited in claim 11, further comprising:
24 allowing the ordering of the plurality of annotation identifiers to be
25 changed by the user.

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1 13. A method as recited in claim 12, further comprising:

3 allowing the user to change the order of the plurality of annotation
4 identifiers in a drag and drop manner.

6 14. A method as recited in claim 7, further comprising:

7 storing the at least a portion of the media stream corresponding to each of
8 the plurality of annotations as a new media stream of the one or more media
9 streams.

10 15. A method as recited in claim 7, wherein each of the plurality of
11 annotations comprises one or more of audio data and text data.

13 16. A method as recited in claim 7, wherein each of the one or more
14 media streams comprises audio and video data.

16 17. A computer-readable memory containing a computer program that is
17 executable by a computer to perform the method recited in claim 7.

19 20 18. A system comprising:
21 an annotation database that stores one or more collections of annotations,
22 wherein each of the annotations identifies at least a segment of a media stream;
23 and

1 an annotation module to control storage and retrieval of the plurality of
2 annotations, wherein the annotation module is configured to perform steps
3 comprising:

4 retrieving a particular collection of annotations from the annotation
5 database;

6 presenting the annotations of the retrieved collection to a user; and
7 managing sequential presentation to the user of the media stream
8 segments corresponding to the presented annotations.

9

10 **19.** A system as recited in claim 18, wherein the annotation module is
11 further configured to perform a step of communicating with a client computer to
12 provide indications of the plurality of annotations to the client computer for
13 display to the user.

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15 **20.** A system as recited in claim 19, wherein the indications of the
16 plurality of annotations comprise summary information for each of the plurality of
17 annotations.

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19 **21.** A system as recited in claim 19, wherein each of the plurality of
20 annotations corresponds to an annotation set, and wherein the annotation module
21 is further configured to perform a step of providing the annotation set information
22 to the client computer.

1 **22.** A system as recited in claim 18, wherein each of the media stream
2 segments comprises audio and video data.
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4 **23.** A system as recited in claim 18, wherein the annotation module is
5 further configured to perform a step of saving information regarding the media
6 stream segments as an additional new media stream.
7

8 **24.** A system as recited in claim 23, wherein the information regarding
9 each of the media stream segments comprises an identifier of a media stream of
10 which the media segment is a part, a temporal location in the media stream
11 identifying where the media segment begins, and a temporal location in the media
12 stream identifying where the media segment ends.
13

14 **25.** A system as recited in claim 18, further comprising:
15 a client computer, coupled to the annotation module, configured to receive
16 the media stream segments and present the media stream segments to the user.
17

18 **26.** A system as recited in claim 25, further comprising:
19 a media server, coupled to the annotation module, having access to a
20 plurality of media streams, the media server configured to provide at least a
21 portion of the plurality of media streams to the client computer as the media
22 stream segments.
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1 **27.** A system as recited in claim 18, wherein each of the plurality of
2 annotation identifiers corresponds to a single media stream of the plurality of
3 media streams.

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5 **28.** One or more computer-readable storage media containing a program
6 having instructions that are executable by a computer to perform steps comprising:
7 configuring a first portion of a user interface to display a plurality of
8 identifiers corresponding to a plurality of annotations, the plurality of identifiers
9 corresponding to a playlist of media segments to be seamlessly presented to a user;
10 and
11 reordering the plurality of identifiers in accordance with user input to
12 change the order in which the media segments are to be presented.

13

14 **29.** One or more computer-readable storage media as claimed in claim
15 28, the program having instructions that are executable by the computer to further
16 perform a step comprising:
17 receiving the media segments from a media server in an order determined
18 by the playlist.

19

20 **30.** One or more computer-readable storage media as claimed in claim
21 28, the program having instructions that are executable by the computer to further
22 perform steps comprising:
23 receiving the media segments from a media server in an order determined
24 by the playlist; and

1 presenting the media segments at the user interface in the order determined
2 by the playlist.

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4 **31.** One or more computer-readable storage media as claimed in claim
5 28, the program having instructions that are executable by the computer to further
6 perform a step comprising:

7 allowing the user to reorder the plurality of identifiers in a drag and drop
8 manner.

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10 **32.** One or more computer-readable storage media as claimed in claim
11 28, the program having instructions that are executable by the computer to further
12 perform a step comprising:

13 configuring a second portion of the user interface to present the plurality of
14 annotations concurrently with the media segments.

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16 **33.** One or more computer readable storage media as claimed in claim
17 28, wherein each of the media segments comprises audio and video data.

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